

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 8, 1987

Docket No. 50-375



Dr. M. E. Remley, Director
Nuclear Safety and Licensing
Rocketdyne Division
Rockwell International Corporation
6633 Canoga Avenue, Mail Code LA 06
Canoga Park, California 91304

Dear Dr. Remley:

SUBJECT: ORDER TERMINATING FACILITY OPERATING LICENSE NO. R-118 FOR THE
ROCKWELL INTERNATIONAL L-85 NUCLEAR EXAMINATION REACTOR

The Commission has issued the enclosed Order that terminates Operating License No. R-118 for the Rockwell International L-85 Nuclear Examination Reactor located at the licensee's site at the Santa Susana Field Laboratories, Ventura County, California, in accordance with your application dated March 10, 1980, as supplemented.

In connection with the license termination, we are enclosing two copies of Amendment No. 19 to Indemnity Agreement No. B-13. Please sign and return one copy to this office.

Copies of the Order, which is being sent to the Office of the Federal Register for publication, the Safety Evaluation and the Environmental Assessment associated with this action are enclosed.

Sincerely,

A handwritten signature in cursive script that reads 'Frank J. Miraglia'.

Frank J. Miraglia, Director
Division of PWR Licensing-B
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment to Indemnity
- Agreement
2. Order Terminating Facility
License
3. Safety Evaluation
4. Environmental Assessment

cc w/enclosures:
See next page

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Rockwell International Incorporation

Docket NO. 50-375

cc: Sacramento County Board of
Supervisors
827 7th Street, Room 424
Sacramento, California 95814

Office of Intergovernmental
Management - State of California
1400 10th Street, Room 108
Sacramento, California 95814

California Department of Health
ATTN: Chief, Environmental
Radiation Control Unit
Radiological Health Section
714 P Street, Room 498
Sacramento, California 95814

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

In the Matter of

THE ROCKWELL INTERNATIONAL L-85
NUCLEAR EXAMINATION REACTOR

(Rockwell International
Corporation)

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Docket No. 50-375

ORDER TERMINATING FACILITY OPERATING LICENSE

By application dated March 10, 1980, as supplemented, Rockwell International Corporation (the licensee) requested the Nuclear Regulatory Commission (the Commission) for authorization to dispose of the component parts of the research reactor and to terminate Facility Operating License No. R-118. A Notice of "Proposed Issuance of Orders Authorizing Dismantling of Facility, Disposition of Component Parts and Terminating Facility License", was published in the FEDERAL REGISTER on April 30, 1980, at 45 FR 30759. No request for a hearing or petition for leave to intervene was filed following notice of the proposed action.

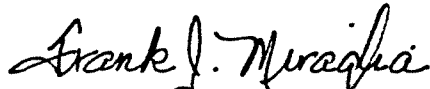
The reactor was shut down July 29, 1982 and all fuel has been removed from the core and shipped to a DOE facility for processing. The reactor facility has been completely dismantled and all requirements, particularly those relevant to residual radioactivity and the packaging and shipping of fuel and radioactive material, have been met. Therefore, pursuant to the application filed by Rockwell International Corporation, located at the Santa Susana Field Laboratories, Ventura County, California, Facility Operating License No. R-118 is terminated as of the date of this Order.

For further details with respect to this action see (1) the application for termination of facility operating license, dated March 10, 1980, as

supplemented, (2) the Commission's Safety Evaluation related to the termination of the license, (3) the Environmental Assessment, and (4) the Notice of Proposed Issuance of Orders Authorizing Dismantling of Facility, Disposition of Component Parts and Terminating Facility Operating License published in the FEDERAL REGISTER on April 30, 1980 (45 FR 30759). Each of these items is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. Copies of items (2), (3) and (4) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of PWR Licensing-B.

Dated at Bethesda, Maryland this 8th day of April 1987.

FOR THE NUCLEAR REGULATORY COMMISSION



Frank J. Miraglia, Director
Division of PWR Licensing-B
Office of Nuclear Reactor Regulation



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING THE ORDER TERMINATING FACILITY OPERATING LICENSE NO. R-118
ROCKWELL INTERNATIONAL L-85 NUCLEAR EXAMINATION REACTOR
DOCKET NO. 50-375

1.0 INTRODUCTION

By letter dated March 10, 1980, as supplemented, Rockwell International Corporation submitted a plan for dismantlement and decontamination of the L-85 Nuclear Examination Reactor facility and a request for termination of Operating License No. R-118. Following review by NRC staff, the plan was approved and Rockwell International commenced dismantlement and decontamination.

Upon completion of the dismantlement and decontamination, Rockwell International submitted a report entitled "Radiation Survey for Release for Unrestricted-Use L-85 Reactor Facility", dated January 8, 1985, as supplemented, and requested an NRC final survey of the facility. Region V conducted the survey on September 30 through October 31, 1986.

2.0 EVALUATION

The Region V interim final survey, in a letter to Rockwell International Corporation, confirmed that (1) all nuclear fuel has been removed from the facility (2) that residual contamination levels are consistent with the criteria in Table I of Regulatory Guide 1.86, and (3) only one area was identified that exceeded the exposure limit of 5 μ R/hr above background at one meter. Rockwell International agreed to reduce the exposure rate at this area, a hole in the floor from which activated concrete had been removed, by covering the hole with fresh concrete. Rockwell, in a letter dated February 3, 1987, to Region V reported that this repair has been completed and that the area now complies with the exposure limit of 5 μ R/hr above background at one meter. Region V, in a memorandum dated March 19, 1987, from F.A. Wenslawski to H. Berkow (NRR), submitted its Closeout Inspection for Rockwell, wherein it confirmed that the exposure rate in this one area was now acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

The Commission has prepared an Environmental Assessment (EA), dated April 8, 1987 and has determined that this action will not result in any significant environmental impact and that it does not constitute a major Commission action significantly affecting the quality of the human environment. On the basis of the EA and the above Safety Evaluation the Commission has determined not to prepare an Environmental Impact Statement in connection with the issuance of this Order terminating the license.

4.0 CONCLUSION

Based on the foregoing considerations, the staff concludes that Facility Operating License No. R-118 can be terminated without undue risk to the health and safety of the public or workers, and without any significant impact on the public or the environment.

Principal Contributor: John Dosa

Dated: April 8, 1987



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Environmental Assessment

For

Termination of Operating License No. R-118

Rockwell International L-85 Nuclear Examination Reactor

Docket No. 50-375

I. Description of Proposed Action

By application dated March 10, 1980, as supplemented, Rockwell International Corporation requested authorization to decontaminate and dismantle its L-85 reactor, to dispose of its component parts in accordance with the proposed dismantling plan, and to terminate Facility Operating License No. R-118. Following an Order Authorizing Dismantling of Facility and Disposition of Component Parts, dated March 4, 1983, Rockwell International Corporation completed the dismantlement and submitted a final survey report on January 8, 1986. Region V conducted a final survey in September through October, 1986. These surveys are documented in Region V Inspection Reports Nos. 50-375/86-01 and 50-375/87-01. The staff agrees with the analysis and the conclusion in the Rockwell International final report, as amended.

II. Need for Proposed Action

In order to release the facility for unrestricted access and use, Operating License No. R-118 must be terminated.

III. Alternatives to the Proposed Action

Since the reactor and component parts have been dismantled and disposed of in accordance with NRC regulations and guidelines, there is no alternative to termination of Operating License No. R-118.

IV. Environmental Impact of License Termination

The Rockwell International final report, as amended, indicates that the residual contamination and dose exposures are less than the requirements of Regulator Guide 1.86, Table I and the maximum exposure of 5 μ R/hr above background at one meter. These measurements have been verified by the NRC and as a result unrestricted use of the facility is permitted.

V. Agencies and Persons Consulted

Personnel from the Radiological Site Assessment Program, Oak Ridge Associated Universities (an NRC contractor) assisted Region V in the conduct of the Termination Survey for Rockwell International Corporation L-85 reactor facility.

VI. Conclusions and Basis for No Significant Environmental Impact Finding

Based on the foregoing considerations, the staff has concluded that there will be no significant environmental impact attributable to this proposed activity. Having reached this conclusion, the staff has further concluded that no Environmental Impact Statement for the proposed action need be prepared and that a No Significant Environmental Impact Finding is appropriate.

Principal Contributor: John Dosa

Dated: April 8, 1987